



Brand new product launch

New fully automatic loading and unloading solutions





1. Family run business
2. Employees: Approx 85
3. Capacity: approx. 500 systems per year
4. Facility: Multiple modern units



BREUNING 
Loading and unloading systems



Loading and unloading of short bars

BREUNING



ILS-RBL Automatic workpiece loader with chute

Application area:

Ideal for medium to large batch sizes and semi-finished parts

Properties:

Short reloading times due to single-piece pusher system

14.5cm graphic touch display

Process reliable feeding of semi-finished parts with work-piece

specific adaptation of the feeding mechanism

Large storage capacity

No air supply needed

Working range:

Round material maximum 80mm (option 105mm)

Profile material enveloping circle 80mm (105mm only possible with ILS-TBL system)



Application area

Ideal for sensitive parts such as aerospace and medical parts that must not touch each other



Application area:

Fully automatic precision unloading of short and long workpieces without stopping the machine or opening the door.

This gentle unloading technology is especially suited to single spindle machines without a tailstock and for opposed spindle machines.

Axial access to workpieces, thereby protecting them.

Options:

Available with chute (REX) or indexed conveyer (TEX)

Working range:

Workpiece max 80mm Dia (option for 100mm)

Workpiece lengths max 800mm (option 1200mm)



**Application area:**

Press, drawing blanks or short components.

Options:

With feed bowl, chute or indexed conveyer.

Quick loading to spindle.

Individual adaption to different workpiece geometries.

Integration into a standard loading system,

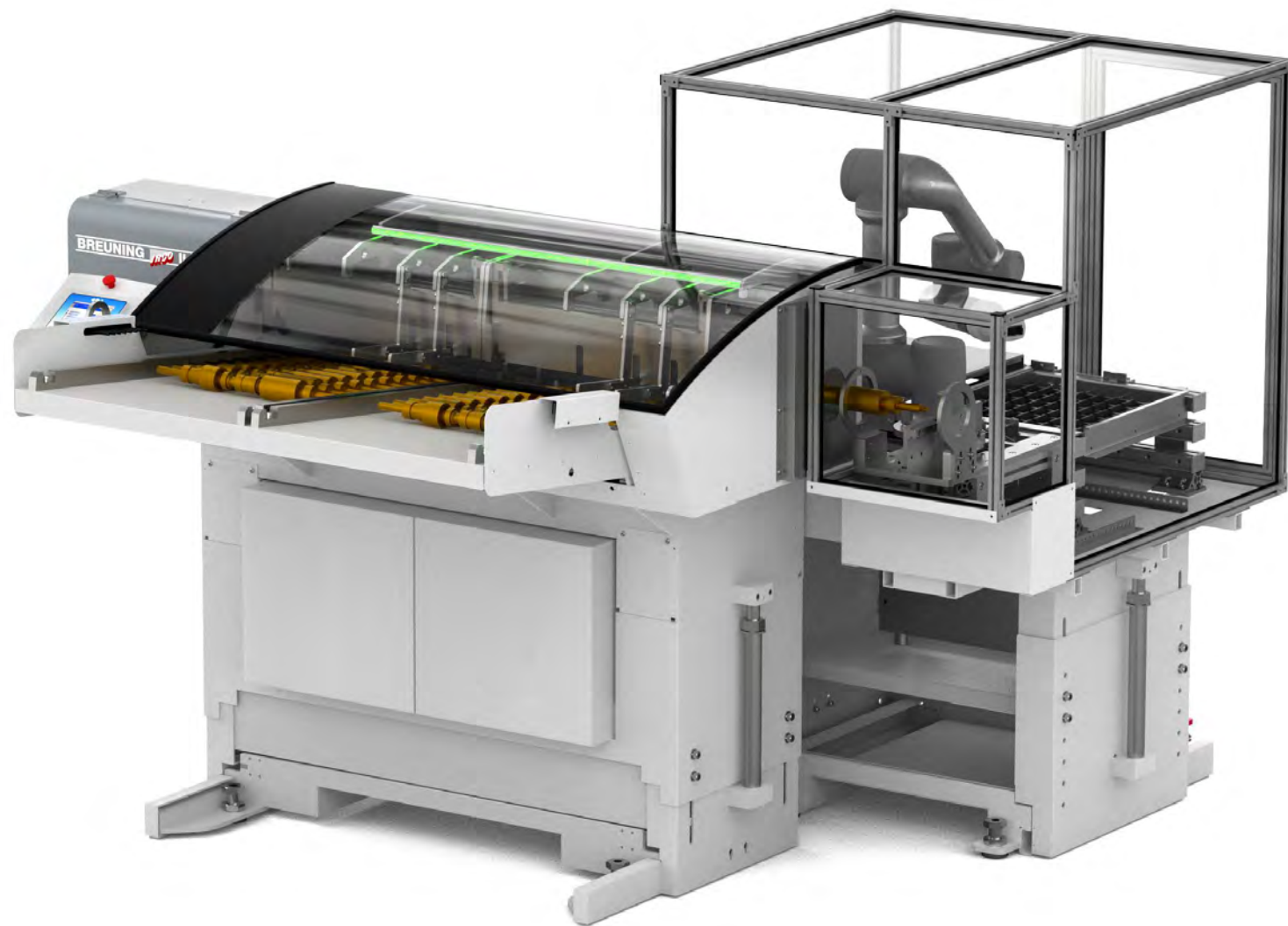
unrestricted bar operation possible.

Component examples





ILS-RBT robotic workpiece loading system



BREUNING 

Loading and unloading systems



Loading and unloading of long bars

Application area:

Ideal for medium to large batches

Properties:

Short change over times, easy handling
Extremely smooth running, hydrodynamic bearing, 360 Deg closed guide.
Easy conversion from long to short turning mode at the touch of a button.

Working range:

Round material 5-130mm Dia
Bar length 3200mm, 4200mm and 6200mm
(option 10000mm)

Special features:

Easy replacement of spindle liner tubes through axial shift (optional radial swing out)
Process integrated remnant disposal.



BREUNING



PROFimat Multi channel loading magazine

Application area:

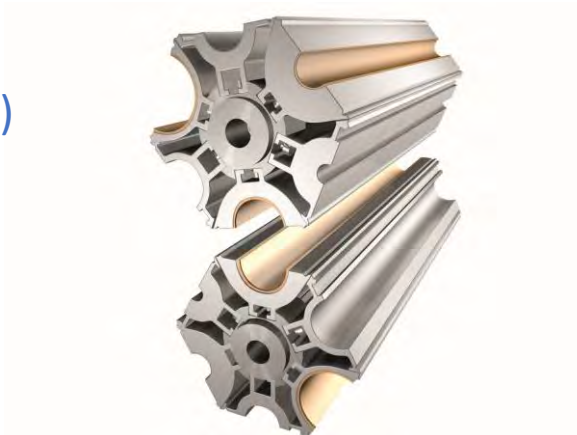
Ideal for small to medium sized batches

Properties:

Extremely short changeover time at the touch on a button.
Optimal running characteristics: 6 or 8 guide channels
Hydrodynamic bearing, 360 Deg closed channels.
18cm graphic touch screen.

Working range:

Round material 5 to 130mm Dia
Bar length 3200mm, 4200mm, 6200mm (option 10000mm)



AUTOMATED UNLOADING OF WORKPIECES

Unloading magazine

For unloading long workpieces from counter-spindle lathes

Application area:

- For unloading long workpieces (up to 10 m) from counter-spindle lathes

Properties:

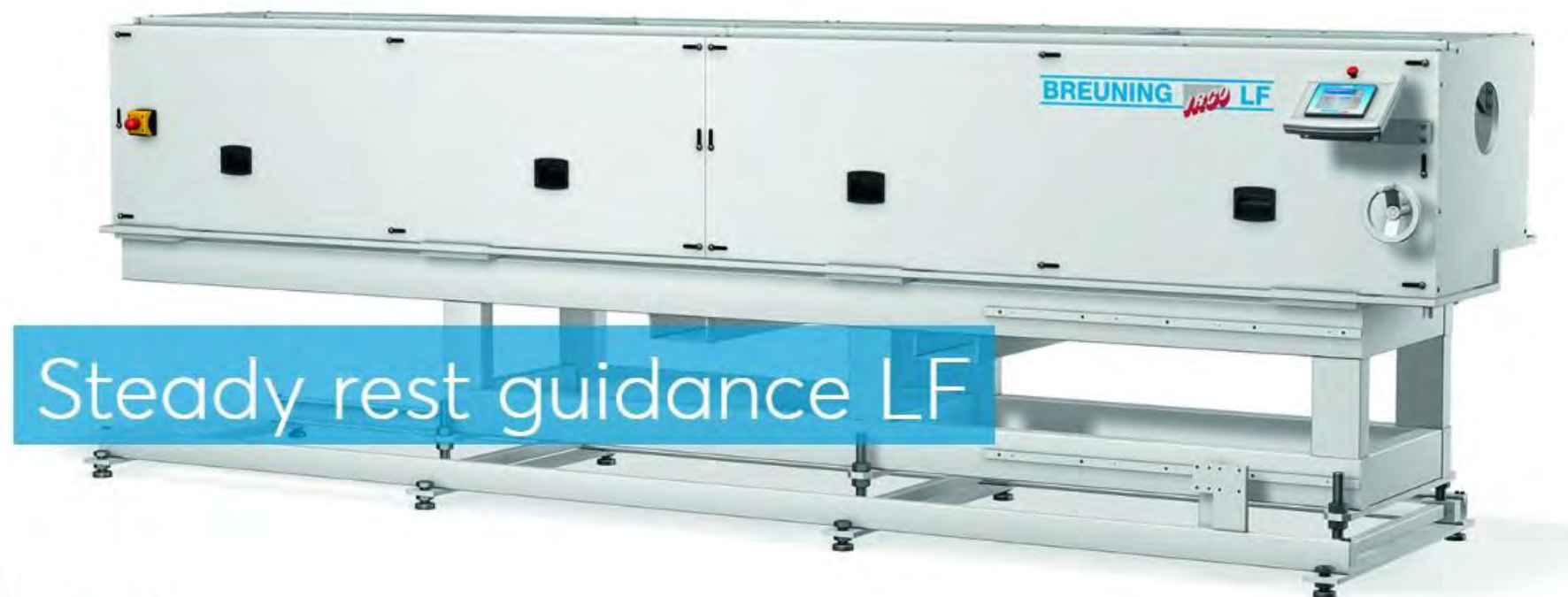
- Axial displacement
- Optionally with cycle belt
- Telescopic connection and channels are oil-flooded
- Gentle unloading of workpieces



SiMag ERV

Steady rest guidance LF

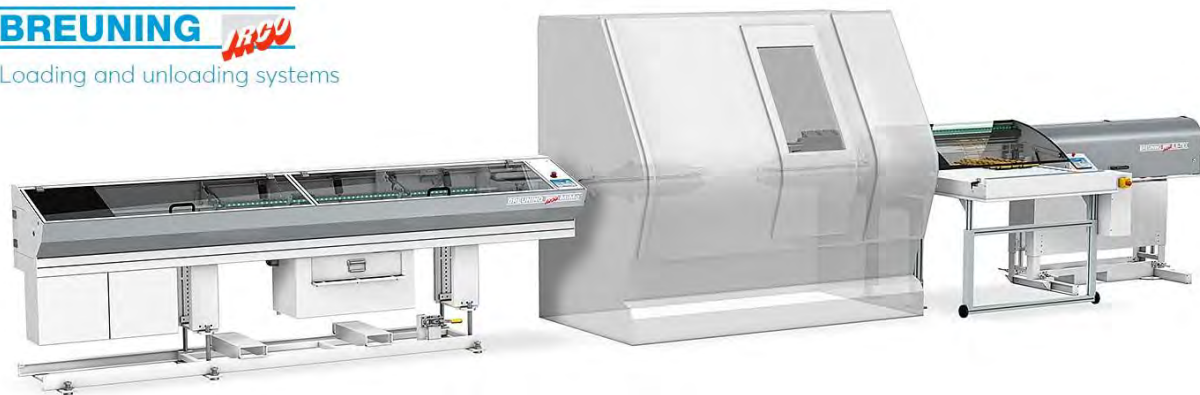
Extension of the lathe spindle



Self-centring precision steady rests. Precise concentricity guide for vibration-free operation as an extension of the lathe spindle.

Special Application examples

BREUNING 
Loading and unloading systems



BREUNING 
Loading and unloading systems

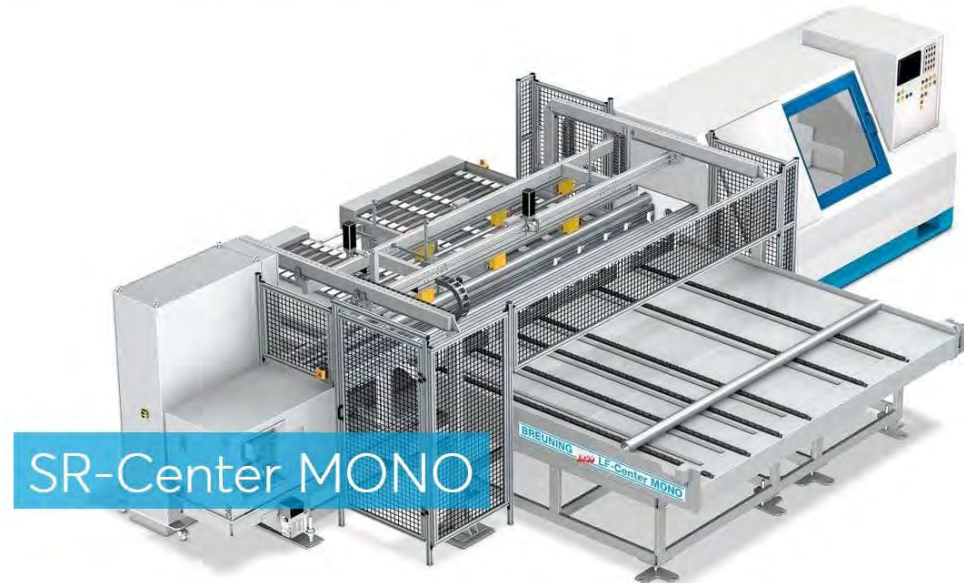


BREUNING 
Loading and unloading systems



Steady rest centre MONO

With loading portal for automatic loading and unloading



The Centre MONO is based on the proven steady rest guiding system.

For machining the ends of long cylindrical workpieces.

Lots of storage on the indexed conveyer

Material 20-125mm Dia

Material lengths up to 6000mm

SR-Centre ROTO

For machining ends on both sides on one lathe



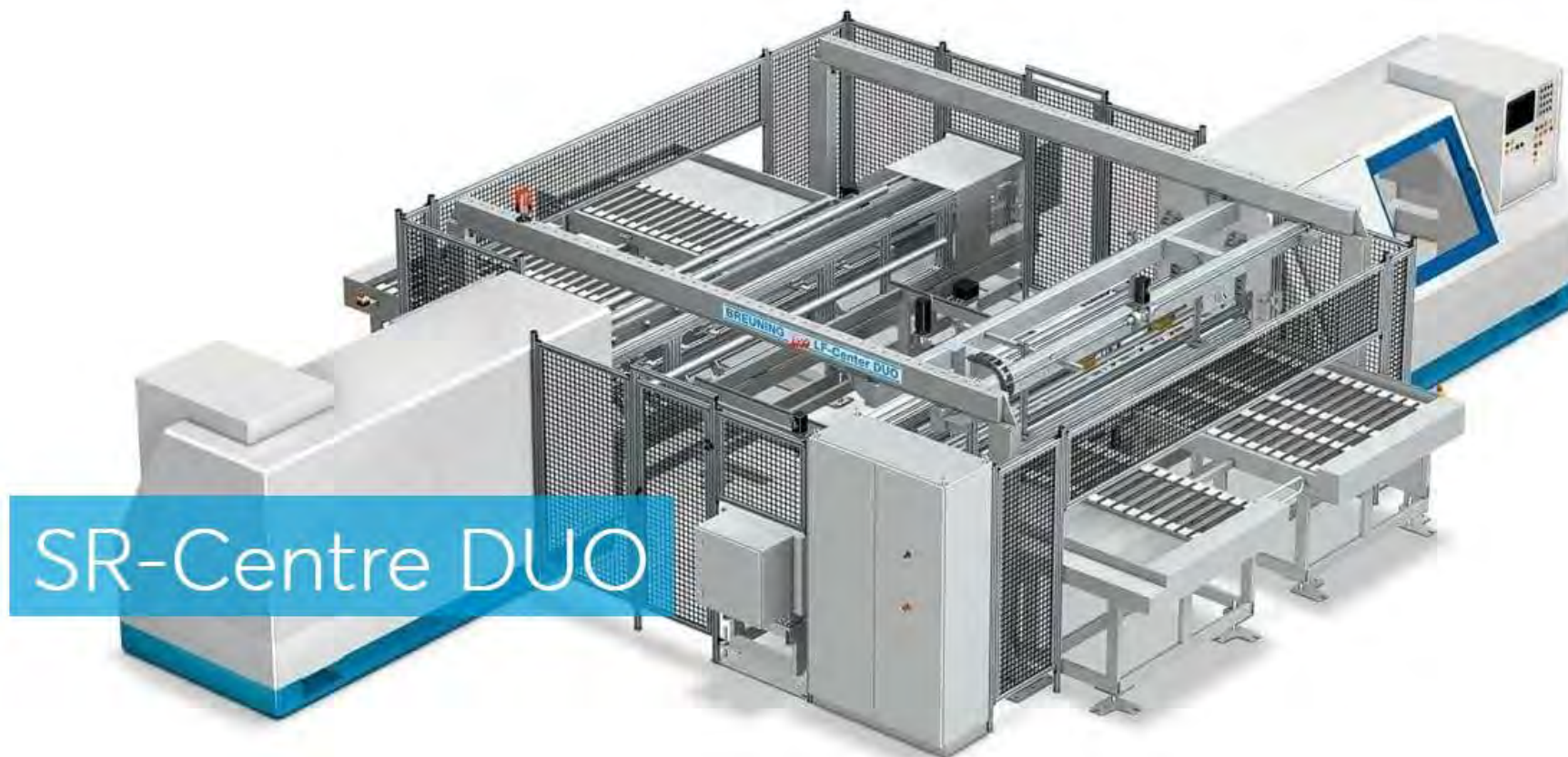
The Centre ROTO allows both end to be machined on just one lathe

Fully automatic process with minimal personnel interaction

The modular structure allows for specific adaptation to lathes and machining centres

Material 20-125mm Dia

Material lengths up to 4000mm



SR-Centre DUO

Application area

Centre DUO consists of 2 opposed steady rest centre guiding systems
These are loaded from an integrated portal.
Ideal for simultaneous machining with 2 lathes

Working range

Material 20-125mm Dia
Workpiece lengths up to 6000mm

More standard and application solution examples

Compact short bar loader

Low space requirement due to compact design



ILS-KUL

Part storage

Transport and store sensitive workpieces gently



ITS

Spindle extension



AUTOMATED LOADING OF WORKPIECES

External bar storage

Expansion of the storage capacity for loading magazines



IBU